

**WILLIAM A SHINE
GREAT NECK SOUTH HIGH SCHOOL
COURSE EXPECTATION SHEET**

BUSINESS/TECHNOLOGY DEPARTMENT

COURSE: Advanced Robotics

This class is available to **students who have completed** the Robotics class and will provide a further in-depth study in the field of Robotics. Students will focus on many design, model building, troubleshooting, electronic, and physics based concepts. It will provide not only specific building and running of the robot through computer programs, but also gives students firsthand knowledge of how an engineer-based organization is run.

College Credit: This course is run in conjunction with Farmingdale State College (SUNY). If students have not earned college credit through "Robotics", they can earn 3 college credits for the successful completion of this course.

The grade will be an average of the following components:

Project Work: Students will complete a minimum of one project per quarter. These will be graded on the basis of effort in design and execution.

Design and Planning: All projects will be accompanied by a design drawing or plan. These will be graded on effort and originality.

Lab Regimen: This includes equipment set-up procedures, lab maintenance and daily housekeeping.

Classwork/Participation: Students will use time efficiently and collaborate with peers on projects.

Safety Quiz: All students must take and pass a safety procedures quiz, before they can operate power equipment.

Quizzes and Tests: During the semester, students may have various quizzes and tests.

Final Exam: A final exam will be given at the end of the semester.

Attendance: Regular attendance and punctuality are expected. Cutting is not permitted. If you intentionally absent yourself from a class without a legitimate reason you will not be entitled to make up any assignments or exams missed during that period. Intentional absences are a clear message that you are not interested in doing your best. Excessive illegal absence or any cutting will result in parental notification and will impact 50% of the grade.

Plagiarism Statement: Plagiarism is defined as presenting the thoughts, writings, and ideas of other people as your own. Integrity of the academic process requires that credit be given where credit is due. Accordingly, it is unethical to present as one's own work, the ideas, representations, or words of another or to permit another to present as one's own work without customary and proper acknowledgment of sources.